

Db 241 RLSEEPFGFRIGNGEVRGRKAAAM 265

RESULT 13

AG89176

ID AAG89176 standard; Protein; 247 AA.

AC XX

AG89176;

DT 11-SEP-2001 (first entry)

XX

DE Human secreted protein, SEQ ID NO: 296.

XX

KW Human; secreted protein; gene therapy; vaccine; treatment; diagnosis;

KW GENSET.

OS Homo sapiens.

XX

XX WO200142451-A2.

FN 14-JUN-2001.

PD

XX 07-DEC-2000; 2000WO-IB01938.

PF

XX 08-DEC-1999; 99US-0169629.

PR

XX 06-MAR-2000; 2000US-0187470.

PR

XX (GEST ) GENSET.

PA

XX Dumas Milne Edwards J, Bougueleret L, Jobert S;

PI

XX WPI; 2001-367870/38.

DR

XX N-PSDB; AAH64779.

DR

XX Full length GENSET human nucleic acids encoding potentially secreted

PT proteins, useful in gene therapy and vaccination against a variety of

PT diseases, and for diagnosis of those diseases -

PT

XX

PS Claim 21; Page 827-828; 921pp; English.

XX

CC The invention relates to full length GENSET human nucleic acids encoding

CC potentially secreted proteins. The nucleic acids and the polypeptides

CC they encode may be used in the prevention, treatment and diagnosis of

CC diseases associated with inappropriate GENSET gene expression. For

CC example, they be used to treat disorders associated with decreased

CC GENSET gene expression by rectifying mutations or deletions in a

CC patient's genome that affect the activity of GENSET or by supplementing

CC the patient's own production of GENSET polypeptides. Conversely,

CC antisense nucleic acid molecules may be administered to down regulate

CC GENSET expression by binding with the cells' own genes and preventing

CC their expression. The sense and antisense nucleic acids may also be

CC used as DNA probes in diagnostic assays to detect and quantitate the

CC presence of similar nucleic acid sequences in samples, and hence to

CC determine which patients may be in need of restorative therapy.

CC The GENSET polypeptides may be used as antigens in the production of

CC antibodies and in assays to identify modulators (agonists and

CC antagonists) of GENSET polypeptide expression and activity. The

CC present sequence is a GENSET polypeptide of the invention.

XX

SQ Sequence 247 AA;

Query Match 81.5%; Score 1149; DB 22; Length 247;

Best Local Similarity 100.0%; Pred. No. 1.6e-105;

Matches 215; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGLPGLFCLAVLAASFSKAREEITPVVSIAYKVLVFPKGRWLTTCAPQPPPPITY 60

DB 1 MGLPGLFCLAVLAASFSKAREEITPVVSIAYKVLVFPKGRWLTTCAPQPPPPITY 60

QY 61 SLCGTKNIKIVAKKVKVTKHTEPASFNLNVTLLKSSPDLLTYFCRASSTSGAHVDSARLQHWHE 120

DB 61 SLCGTKNIKIVAKKVKVTKHTEPASFNLNVTLLKSSPDLLTYFCRASSTSGAHVDSARLQHWHE 120

QY 121 LWSKPVSELNANFTLQDRGAGPRVEMICOASSGSPPIITNSLIGKDGQVHLQORPCHROPA 180

DB 121 LWSKPVSELNANFTLQDRGAGPRVEMICOASSGSPPIITNSLIGKDGQVHLQORPCHROPA 180

QY 181 NFSEFLPSQTSDFWFCOAANNANVOHSALTVPVPPG 215

DB 181 NFSEFLPSQTSDFWFCOAANNANVOHSALTVPVPPG 215

RESULT 14

AM24472

ID AAM24472 standard; Protein; 232 AA.

XX

AM24472;

AC

XX 12-OCT-2001 (first entry)

DT

XX Human EST encoded protein SEQ ID NO: 1997.

DE

XX Human; sheep; pig; cow; fruit fly; yeast; hamster; macaque; horse;

KW tomato; monkey; dog; sea urchin; expressed sequence tag; EST;

KW diagnostics; forensic test; gene mapping; genetic disorder;

KW biodiversity; gene therapy; nutrition.

XX

OS Homo sapiens.

OS

XX WO200154477-A2.

PN

XX 02-AUG-2001.

PD

XX 25-JAN-2001; 2001WO-US02687.

PF

XX 25-JAN-2000; 2000US-0491404.

PR

XX 17-JUL-2000; 2000US-0617746.

PR

XX 03-AUG-2000; 2000US-0631451.

PR

XX 15-SEP-2000; 2000US-0663870.

PR

XX (HYSE-) HYSEQ INC.

PA

XX Tang YT, Liu C, Zhou P, Qian XB, Wang Z, Chen R, Asundi V;

PI

XX Cao Y, Drmanac RA, Zhang J, Werhman T;

PI

XX WPI; 2001-476164/51.

DR

XX N-PSDB; AAH99131.

DR

XX Isolated polypeptide for treatment of diseases, diagnostics, raising

PT antibodies and research use -

PT

XX Claim 20; Page 1266; 1275pp; English.

PS

XX The present invention provides the protein and coding sequences of novel

XX proteins from a variety of organisms, including human, dog, cat, horse,

XX cow, pig, hamster, monkey, macaque, yeast, bacteria, fruit fly, sea

XX urchin and tomato. These were derived from expressed sequence tags (ESTs)

XX from the organism of interest. They can be used in diagnostics,

XX forensics, gene mapping, identification of mutations, to assess

XX biodiversity and for nutritional purposes. The present sequence is a

XX protein of the invention.

XX

SQ Sequence 232 AA;

Query Match 51.5%; Score 725.5; DB 22; Length 232;

Best Local Similarity 64.3%; Pred. No. 1.6e-63;

Matches 148; Conservative 13; Mismatches 56; Indels 13; Gaps 3;

QY 1 MGLPGLFCLAVLAASFSKAREEITPVVSIAYKVLVFPKGRWLTTCAPQPPPPITY 60

DB 1 MGLPGLFCLAVLAASFSKAREEITPVVSIAYKVLVFPKGRWLTTCAPQPPPPITY 60

QY 61 SLCGTKNIKIVAKKVKVTKHTEPASFNLNVTLLKSSPDLLTYFCRASSTSGAHVDSARLQHWHE 120

DB 61 SLCGTKNIKIVAKKVKVTKHTEPASFNLNVTLLKSSPDLLTYFCRASSTSGAHVDSARLQHWHE 120